

AP7810-HS

DESCRIPTION: Ultra High Impact Copolymer – Reactor TPO

FEATURES: Excellent stiffness and low temperature ductility.

APPLICATIONS: Injection Molding: Automotive interior energy management solutions

| PROPERTY | NOMINAL VALUE | SI UNIT | | NOMINAL VALUE | ENGLISH UNIT | ASTM TEST METHOD |
|---|---------------|-------------------|--|---------------|--------------|------------------|
| Melt Flow Rate | 10 | g/10 min. | | | | D 1238 |
| Density | 0.9 | g/cm ³ | | | | D 1505 |
| Tensile Yield Strength Yield Elongation | 22 NA | MPa % | | 3100 NA | psi % | D 638 |
| Flexural Modulus Tangent | 1069 | MPa | | 155 | kpsi | D 790 |
| Deflection Temperature @ 66 psi (.455 MPa) | 78 | °C | | 172 | °F | D 648 |
| Rockwell Hardness | | | | 97 | R | D 785 |
| Notched Izod @ 23°C | NB* | J/m | | NB* | ft-lb/in | D 256 |
| Gardner Impact @ 23°C @ -30°C | 36 36 | J | | 320 320 | In-lb | D 5420 |
| Instrumented Impact 6.7 m/sec. @ -30°C | Ductile | | | Ductile | | D 3029 |

Sept-08

AUTOMOTIVE APPROVALS

DCX: DB500-CPN 4017

Ford: WSS-M4D638-C

GM: GMP.PP.107

*NB = No Break

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